

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An information processing device having a communication function of performing a network connection via a wireless relay apparatus, the device comprising:

~~means for a finding unit configured to find the wireless relay apparatus; [[and]] a detector configured to detect identification information of the wireless relay apparatus found by the finding unit; and~~  
~~means for a displaying unit configured to display information[[,]] which is characterized according to the identification information of the wireless relay apparatus when the means for finding the wireless relay apparatus finds the wireless relay apparatus detected by the detector.~~

2. (Currently Amended) The information processing device according to claim 1, further comprising ~~means for memorizing and managing a counting unit configured to count~~ a finding frequency of the wireless relay apparatus found by the ~~means for finding unit~~ the wireless relay apparatus, wherein

~~the means for displaying the information unit displays information characterized according to the identification information detected by the detector in a display form characterized according to the finding frequency managed by the means for memorizing and managing the finding frequency counted by the counting unit.~~

3. (Currently Amended) The information processing device according to claim [[1]] 2, wherein the display unit comprises a database which stores the information which is characterized according to the identification information of the wireless relay apparatus and a corresponding identification information of the wireless relay apparatus means for memorizing and managing the finding frequency has means for associating each identification information of the wireless relay apparatuses which can be found by the means for finding the wireless relay apparatus with information displayed by the means for displaying information and managing the identification information and the displayed information.

4. (Currently Amended) The information processing device according to claim 2, wherein, the means for displaying unit information generates a peculiar icon or a character message for the identification information of [[on]] the wireless relay apparatus[[,]] which is found by the means for finding unit the wireless relay apparatus, based on information associated with the wireless relay apparatus, which is found by the means for finding the wireless relay apparatus managed by the means for memorizing and managing the finding frequency, when the means for finding the wireless relay apparatus finds the wireless relay apparatus, and displays the peculiar icon concerned or the character message in a display form characterized according corresponding to the counted finding frequency which is managed by the means for memorizing and managing a finding frequency.

5. (Currently Amended) The information processing device according to claim 2, wherein the means for displaying unit information acquires service information or advertisement information when using for the wireless relay apparatus found by the

~~means for finding unit the wireless relay apparatus based on information associated with the wireless relay apparatus which is found by the means for finding the wireless relay apparatus managed by the means for memorizing and managing a finding frequency when the means for finding the wireless relay apparatus finds the wireless relay apparatus, and displays the acquired corresponding information information.~~

6. (Currently Amended) The information processing device according to claim [[1]] 2, wherein the means for displaying unit information judges a condition associated with the wireless relay apparatus found by the means for finding unit the wireless relay apparatus managed by the means for memorizing and managing a finding frequency when the means for finding the wireless relay apparatus finds the wireless relay apparatus, and changes the information displayed by the displaying unit based on the judged condition reflects the corresponding judgment contents in the display information or the display form.

7. (Currently Amended) The information processing device according to claim [[1]] 2, wherein the means for displaying unit information displays selectable information in accordance with the identification information Information characterized according to identification information on the found wireless relay apparatus, and sets connected connection environment using the wireless relay apparatus found by the means for finding unit the wireless relay apparatus when the corresponding information is selected.

8. (Currently Amended) The information processing device according to claim [[1]] 2, wherein the means for displaying unit information comprises means for an

acquiring unit configured to acquire a database associating each identification information of the wireless relay apparatuses which can be found by the ~~means for finding~~ unit ~~the wireless relay apparatus~~ with information displayed by the ~~means for displaying~~ unit information from an external apparatus which is connected with the network through the ~~means for finding~~ unit ~~the wireless relay apparatus and the wireless relay apparatus and managing the database~~.

9. (Currently Amended) A ~~computer program~~ computer-readable medium for use on a network-connectable device through a wireless relay apparatus, the computer-readable medium having computer-executable instructions for performing a method program being stored in a computer readable medium, and the program comprising:

finding the wireless relay apparatus; [[and]]  
detecting identification information of the found wireless relay apparatus; and  
displaying characterized information characterized according to [[an]] the  
identification information on the found wireless relay apparatus.

10. (Currently Amended) The ~~program~~ computer-readable medium according to claim 9, wherein the displaying includes ~~managing each~~ counting a finding frequency of [[the]] each found wireless relay apparatus apparatuses, and reflecting the ~~managed~~ counted finding frequency to the displayed information.

11. (Currently Amended) The ~~program~~ computer-readable medium according to claim 9, wherein the displaying includes managing a database which stores the information which is characterized according to the identification information of the wireless relay apparatus and a corresponding identification information of the wireless

~~relay apparatus associates the wireless relay apparatuses each identification information which can be found with display information, acquiring information associated with the found wireless relay apparatus from the database, and displaying the acquired information in the display form corresponding to the finding frequency of the found wireless relay apparatus when finding the wireless relay apparatus.~~

12. (Currently Amended) The ~~program~~ computer-readable medium according to claim 9, wherein the displaying includes displaying selectable information capable of ~~select operation, characterized according to~~ in accordance with the identification information on the found wireless relay apparatus, and setting connection environment using the found wireless relay apparatus when the displayed selectable information is selected.